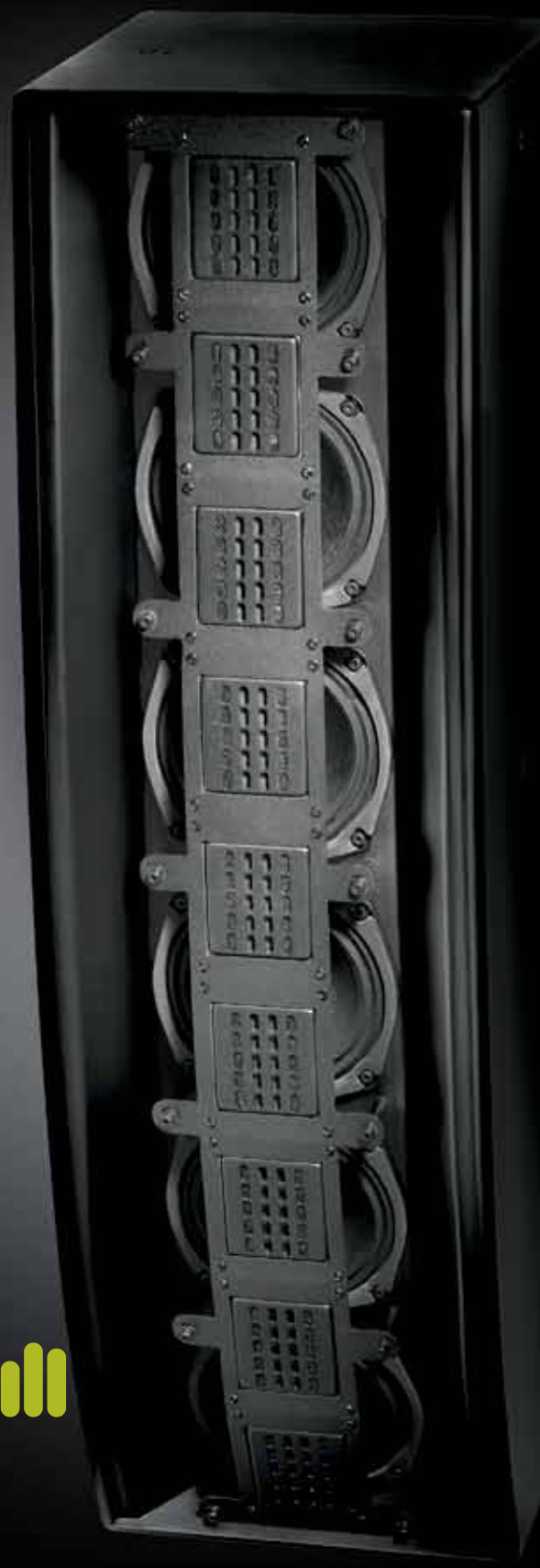
Christie LA1
Line array speaker



Advanced ribbon driver line array for cinema

The Christie® LA1 line array speaker combines advanced ribbon driver technology with a unique coaxial articulated line array design to provide greatly enhanced clarity, dramatically reduced distortion and ultra-fast transient response. The extremely low mass of the ribbon drivers allows the Christie LA1 to respond very quickly to signals. This eliminates the effects of high frequency breakup and power compression while enabling extended high frequency response and the accurate reproduction of the original source material.

Key features

- Christie exclusive single enclosure coaxial articulated line array design
- 9 x 3.5" ribbon drivers and 6 x 5.25" paper/Kevlar composite cone woofers
- Dramatically higher RMS to peak max SPL ratio than compression driver systems
- Extremely even coverage, typically ± 2dB SPL throughout entire audience area
- Approximately four times the optimal listening area than typical systems
- Enhanced voice intelligibility, low distortion and highly controlled dispersion
- Limited five year warranty

CHRISTIE VIVE AUDIO

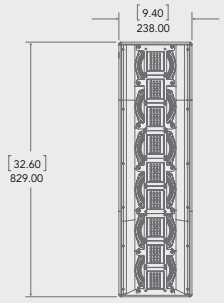
Sound exactly where it is needed

The Christie LA1 features very wide 120° horizontal dispersion and highly controlled 30° vertical dispersion patterns – placing sound exactly where it is needed. The Christie LA1 has a 2-way linear phase, internal passive crossover and can be combined with the Christie S115 subwoofer to create a 3-way, bi-amplified, full range speaker/sub system, ideal as a screen channel for ±100 seat auditoriums. It is extremely versatile with a range of applications and installation options, from being mounted to flown.

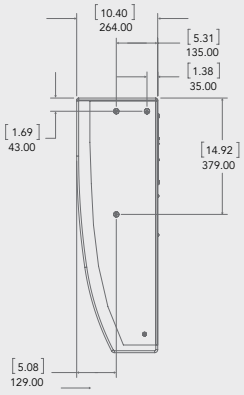
Specifications	
System type	• Coaxial articulated ribbon driver line array, 2-way, passive, in a single sealed enclosure
Driver components	• 9 x 3.5" Kapton® ribbon drivers with Neodymium magnets • 6 x 5.25" paper/Kevlar composite mid-bass cone drivers
Crossover	• Linear phase, asymmetric, 2-way, passive @ 1.6 kHz, 24dB/octave
Frequency response[1]	• 80Hz-20kHz @ -6dB
Maximum SPL[2]	• 123dB (AES) continuous • 135dB peak
System coverage[3]	• 120° horizontal dispersion • 30° vertical dispersion
Sensitivity[1], 1W/1m	• 95dB (200Hz-3kHz)
Power handling[2]	• 600W (AES) continuous • 1200W (IEC) short term
Recommended amplifier power	• 450-825W (FTC) @ 8 ohms
Rated impedance	• 8 ohms
Input connectors	• 2 position barrier strip
Enclosure	• Closed box alignment • 18mm marine plywood • Heavily damped and braced
Mounting options	• On subwoofer using BKT-LA1 Tilt bracket • Flown under subwoofer using BKL-LA1 "L" bracket • Wall mounted using 4 x M8 points • Individually flown using 3 x M10 points • Includes a total of 7 x M10 fly points for total versatility
Accessories (optional)	• Christie S115 subwoofer (145-108100-01) • BKT-LA1 Tilt bracket (145-116109-01) for mounting on Christie S115 • BKL-LA1 "L" bracket (145-117100-01) for flying under Christie S115 • Allen Products MultiMount MM-024 (111-681207-01) or MM-060 (111-682208-01) for wall mounting • 3 x Allen Products RK-1C Rigging Kit 1 x Cable (111-685202-01)[4]
Dimensions	• (LxWxH) 10.4 x 9.4 x 32.6" (264 x 238 x 829mm)
Net weight	• 39.5lbs (18kg)
Warranty	• Limited five year warranty

[1] Measured at distances of 4m and 8m, in free field and on ground plane. Sensitivity is calculated based on measured SPL response averaged in 200Hz-3kHz range and scaled back to 1m.
[2] AES refers to AES2-2012 standard. IEC refers to IEC 60268-5 standard. Max continuous SPL calculated based on sensitivity and AES power handling. IEC short-term power tested using IEC pink noise with 9dB crest factor. The crest factor was specifically increased to reflect real-life parameters of digital cinema sound tracks. Maximum peak SPL calculated using peak voltage during IEC short-term power test.
[3] Averaged in 500Hz-16kHz range, at -6dB. Screen scattering effect will result in slight increase of coverage at HF.
[4] 3 cables required when flown. See User Manual for details.

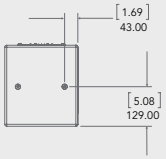
Front view



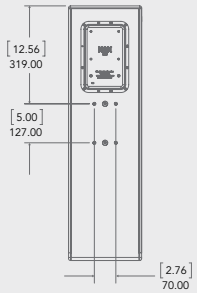
Side view



Top view



Back view



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